Original / Duplicate / Triplicate

SBR NO 53

CONTRACT CERTIFICATE

(For Other Works)

Date 20 25.07.2020

No. 1st & Part bill

YNK-DBR No. 73
Date 12.08.2020

Division: Yelahanka. Sub Division: Yelahanka Satellite Town.
Bill Received No
Scheduled Docket No Book Voucher No dated

Name of Work: Improvements to roads, drains and other developmental works in Vaderahalli grama panchayathi limits under SWM head in Chief Minister Nava Nagarothan grants of Yelahanka division. (Package-09)

D – 3747

Job Code No: 003-20-000089 **Est. cost:** lakhs

Name of Contractor and Full Address : A. Chennareddy, Bangalore.

Work Order No: **BBMP/EE/YNK.D/W.O/ 02 /2020-21,** **Dated : 29-04-2020**

Certified that the measurements were taken by me on 25/07/2020 and recorded in pages 49 to 926

For M/s. ACR Projects

Measurement Book No 4940 and that the work is satisfactorily executed.

Contractor
Proprietor

Officer-in-charge of work

Certified that the measurements were taken by me on 25/07/2020 and found correct. The work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of Account II have been actually brought to site of the work and the contractor has not previously received any advance on this security These materials are of an imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

25/07/2020

Sub-Division Officer

If Memorandum of Payment

1) Total value of work done or supplies made as per account within
2) Deduct amount to be held in reserve being percent Rs
3) Deduct amount to be held in Balance
4) Deduct Payment
   a) Amount of previous payment as in the Office Cash Book Voucher No Dated S.D No
   Amount adjusted towards cash advance recovery of
   b) Payments cost store or other materials supplied
   Now made recovery of amount creditable to this/other work
   Amount paid on this bill Cheque/Cash
5) Balance being unpaid value of work done held in reserve
6) Deduct cash advance made on the office Cash Book Voucher No date less adjustments
7) Net amount due to or from contractor

Unadjusted items

8) Advance to contractor for materials brought to site (as detailed) within value of Governme materials supplied

Gross Amt =Rs	6070329=00
FSD =Rs	—
CGST = Rs	541994=00
SGST = Rs	541994=00
IT = Rs	607032=00
LC = Rs	607032=00
CBF = Rs	60703=00
Royalty =Rs	920296=00
T.D. = Rs	3279053=00
Net Amt=Rs	5742423 6=00

For M/s. ACR Projects
Proprietor
Contractor's Signature

Received Rs (in words)
By Cash and by adjustment of Payment as per memorandum.

Witnesses :

1.

2.

Dated Signature of Contractor

For M/s. ACR Projects
Proprietor

Audited & Admitted for Rs. 6070329=00 (For use in the Office)

5742423 6=00 by Credit
and Rs. 3279053=00 by Adjustment

Accts. Supdt.
Yelahanka Division
BBMP

Exe. Engr.
Yelahanka
BBMP

Paid by me by cheque No Dated

Cash Rs Dated

Initials of Officer Making Payment

Executive Engineer

Improvements to roads, drains and other developmental works in Vaderahalli grama panchayathi limits under SWM head in Ch... Minister Nava Nagarothan grants of Yelahanka division. (Package-09)

ABSTRACT

Sl No	Description of Work	Unit	As per Shedule -B			Previous measurement		Present Measurement			Up to date	
			Qty	Rate	Amount	Qty	Amount	Qty	Rate	Amount	Qty	Amount
1	KSRRB 300-1. Earthwork excavation by manual means for roads, drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications	Cum	6570.55	227.35	1493816.00	-	-	3382.68	227.35	769052.00	3382.68	769052.00
2	Filling in foundation with granite/trap broken metal 100mm and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with lead up to 50m and lift 1.5m complete as per specifications. a) 40mm Jelly	Cum	5.33	1996.05	10643.00	-	-	3.10	1996.05	6188.00	3.10	6188.00
3	b) 20mm Jelly	Cum	5.33	1996.05	10643.00	-	-	3.10	1996.05	6188.00	3.10	6188.00
4	c) Coarse sand.	Cum	4.00	2783.55	11132.00	-	-	2.33	2783.55	6472.00	2.33	6472.00
5	d) Fine Sand	Cum	2.67	2783.55	7421.00	-	-	1.55	2783.55	4315.00	1.55	4315.00
6	e) 12.5mm chips	Cum	4.00	1996.05	7983.00	-	-	2.33	1996.05	4641.00	2.33	4641.00
7	Supplying, laying and jointing HDPE pipes of specified grade and conforming to IS 4984- 995 with latest amendments and conveyingto work site including loading and unloading at both destinations and rolling and lowering into trenches, laying true to line and jointing of pipes and specials, giving hydraulic test as per relevant ISS with all lead and lifts including encasing the pipe alround to a depth of not less than 15 cms. with soft gravel or selected earth available from the excavation, testing and commissioning. The rate is exclusive of required specials and fittings wherever necessary like saddle Tee, stub ends, flanged sets, bends, reducers etc. complete	m	77.40	11363.44	879531.00	-	-	45.00	11363.44	511355.00	45.00	511355.00
8	Providing of Geonets for Rain Water Harvesting pit on top of the filter media as specified in drawings or as approved by Engineer Incharge	Sqm	13.33	74.58	995.00	-	-	7.75	74.58	578.00	7.75	578.00

Sl No	Description of Work	Unit	As per Shedule -B			Previous measurement		Present Measurement			Up to date	
9	KSRB 4-1.2 : Providing and laying in position plain cement concrete of Mix 1:3:6 with OPC @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM curing complete as per specifications	Cum	1006.68	5617.31	5654834.00	-	-	509.60	5617.31	2862568.00	509.60	2862568.00
10	Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. with 20mm and down size granite metal coarse aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compacted for walls and bottom including centering, shuttering, cost of materials, HOM of machinery, curing etc., complete excluding cost of steel as per MORTH specification No. 1500, 1700, 2200. including cost of materials, labour, HOM complete as per specifications	Cum	2085.48	7213.61	15043818.00	-	-	1103.48	7213.61	7960045.00	1103.48	7960045.00
11	KSRRB M2200-6. Providing T.M.T. steel reinforcement for R.C.C. work including straightening, cutting, bending, hooking, placing in position, lapping and/or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per disign (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM complete as per specification.	Ton	131.53	73793.99	9706407.00	-	-	69.56	73793.99	5133297.00	69.56	5133297.00
12	Providing and Fixing pre cast covering Slab made out of CC 1:2:4 with 10cm thick and Finishing cutting , including form work, cost of alll materials, labour,hire charges machinery,loading,unloading,lead and lift,transportation etc ,copmplete.	Sqm	5113.20	2453.85	12547026.00	-	-	2467.23	2453.85	6054213.00	2467.23	6054213.00

Sl No	Description of Work	Unit	As per Shedule -B			Previous measurement		Present Measurement			Up to date	
13	Providing and Fixing pre cast covering Slab 250mm thick made out of CC 1:2:4 and jelly 20mm Down size with steel reinforcement including form work,curing,including cost of alll materials, labour,hire charges of machinery, loading, unloading, lead and lift,transportation etc ,complete.	Sqm	459.90	5688.90	2616326.00	-	-	235.86	5688.90	1341784.00	235.86	1341784.00
14	KSRRB M300-14. Excavation for roadwork in all types of soil by mechanical means including cutting and loading to tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transportation with a lead of 1.00 km and complete as per specifications.	Cum	8754.90	71.22	623524.00	-	-	6354.11	71.22	452540.00	6354.11	452540.00
15	KSRRB 300-58. Compaction of original ground by mechanical means including filling in depression occuring during rolling including cost of all labour, HOM complete as per specifications.	Sqm	28261.50	6.49	183418.00	-	-	19846.77	6.49	128806.00	19846.77	128806.00
16	KSRRB M600-1.Providing and Constructing dry lean cement concrete mix CC 1:5:10 base with OPC 25mm and down size graded granite metal coarse aggregate at 0.86cum and fine aggregates @0.58cum over a prepared sub-base, coarse and fine aggregate conforming to IS: 383-2016,aggregate cement ratio not to exceed 15:1, Aggregate gradation after blending to be as per Table 600-1,optimum moisture content to be determined during trial length construction, concrete strength not to be less than 10 Mpa at 7 days, mixed in a batching plant, transported to site, laid with a paver, compacting with 8-10 tonnes vibratory roller, finishing and curing complete as per specifications. Clause 601of MORTH V Revision and IS 456 Table-5. with OPC at 150 kg/cum and coarse aggregate .86cum, fine aggregate 0.58cum using Concrete Batch mix Plant at 75 cum/hr capacity with Slip form paver with electronic sensor.	Cum	2025.30	3877.18	7852453.00	-	-	919.39	3877.18	3564643.00	919.39	3564643.00

Sl No	Description of Work	Unit	As per Shedule -B			Previous measurement		Present Measurement			Up to date	
17	Constructing un-reinforced, plain cement concrete for pavements using Grade concrete M30 over a prepared base with OPC coarse aggregate at 0.69 cum, fine aggregates at 0.46 cum,Coarse and fine aggregate conforming to IS:383-2016, with Superplastizer at 3 lts conforming to IS 9103-2008. mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). & Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished with floaters in a continuous operation including provision of contraction, expansion, construction and longitudinal joints,including groove cutting charges, joint filler, separation membrane of impermiable plastic sheet of 125 micron, sealant primer, joint sealant, admixtures as approved, curing compound.	Cum	2025.30	5316.65	10767812.00	-	-	919.39	5316.65	4888078.00	919.39	4888078.00
18	Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/ trap/basalt material, mixing in a mechanical mix plant at OMC, Carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the 98 % proctor density, complete as per specifications	Cum	2213.93	2035.38	4506179.00	-	-	2034.21	2035.38	4140393.00	2034.21	4140393.00
19	KSRRB M400-17. Providing, laying, spreading and compacting cushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications.	Cum	3320.89	2041.87	6780821.00	-	-	3158.42	2041.87	6449074.00	3158.42	6449074.00

Sl No	Description of Work	Unit	As per Shedule -B			Previous measurement		Present Measurement			Up to date	
20	KSRRB M500-6. Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WMM including cleaning of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications.	Sqm	14759.50	34.61	510827.00	-	-	13297.79	34.61	460237.00	13297.79	460237.00
21	KSRRB M500-17. Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications Clause 505 of MORTH V revisionusing 40/60 TPH capacity H.M.P. with Mechanical paver Gr-II (50 mm to 75 mm) with 4.5 % VG 30 Bitumen	Cum	666.73	7579.15	5053209.00	-	-	667.00	7579.15	5055278.00	667.00	5055278.00
22	KSRRB 500-7. Providing and applying tack coat using 80/100 grade bitumen(VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM complete as per specifications.	Sqm	13334.50	12.96	172816.00	-	-	13297.79	12.96	172340.00	13297.79	172340.00
23	Providing and laying bituminous concrete 40mm thick with hot mix plant, using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications. Clause 507 of MORTH V revision as per IRC SP-53-2015. using 40-60 TPH capacity HMP with mechanical paver grading II (30-45mm) with 5.4 % of modified bituminus binder consisting of 4.97% of VG-30 bitumen (60/70 grade) and 0.43% of plastomeric thermoplastics (waste plastic)	Cum	509.54	8876.26	4522766.00	-	-	452.17	8876.26	4013583.00	452.17	4013583.00

Sl No	Description of Work	Unit	As per Shedule -B			Previous measurement		Present Measurement			Up to date	
24	KSRRB M800-13.Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface/ Concrete Surface: Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35 standards specified. The finished surface to be level, uniform and free from streaks and holes complete as per specifications.	Sqm	1249.05	464.00	579560.00	-	-	460.56	464.00	213698.00	460.56	213698.00
	Total				**89543960.00**					**54199366.00**		**54199366.00**
	GST 12%				**10745275.20**					**6503923.92**		**6503923.92**
	Grand Total				**100289235.20**					**60703289.92**		**60703289.92**

CERTIFICATE

1 Certified that the work done is satisfactorily.

2 There is no departmental issues by BBMP

Contractor

NEWZEN CONSULTANTS BANGALORE

Consultant

Ramanjeevaiah

Assistant Engineer

Asst. Executive Engineer

7/2020

BRUHAT BANGALORE MAHANAGARA PALIKE